
2. Clothes

Program Name: Clothes.java

Input File: clothes.dat

In an effort to hide the cost of her clothes from her mother and to let her friends know what a great bargain she got when buying her clothes, Anna decided to embed the integer prices, in dollars, in a letter she will send to her friends. By doing this, even if her mother found the letter, she would not know how much Anna had spent. Her friends will then add the embedded integers together to find the total amount of money Anna spent.

You are to write a program that will read a letter and find the sum of all of the integers found embedded in the letter.

Input

The first line of input will contain a single integer n that indicates the number of letters to follow. Each letter will be on a single line which contains only alphanumeric characters, spaces, and punctuation marks.

Output

For each letter, you will print on a separate line the total amount of money Anna spent.

Example Input File

2

Mary had 25 lambs that she paid28cents for ea34ch.

If I had 13 wishes, I would b68uy at lea13st rockets to g17o to mars.

Example Output to Screen

87

111